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Morbidity and Mortality Weekly Report

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

PUBLIC HEALTH SERVICE

Prepared by the COMMUNICABLE DISEASE CENTER 634-5131

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PROVISIONAL INFORMATION ON SELECTED NOTIFIABLE DISEASES IN THE UNITED STATES AND ON DEATHS IN SELECTED CITIES FOR WEEK ENDED APRIL 4, 1964

INFLUENZA

The incidence of influenza has declined in the Pacific Coast States during the past week. Pneumonia and influenza deaths in 12 reporting cities in the Pacific Coast geographic subdivision also declined for the second consecutive week, although this figure remains above the epidemic threshold.

In Oregon reported cases of influenza-like disease declined last week for the second consecutive week. The incidence of influenza-like disease in California appeared to decrease last week as evidenced by the following indices: reports of respiratory illness, school absenteeism, number of respirovirus specimens submitted for diagnostic testing, and pneumonia-influenza deaths, all of which declined from previous weekly totals.

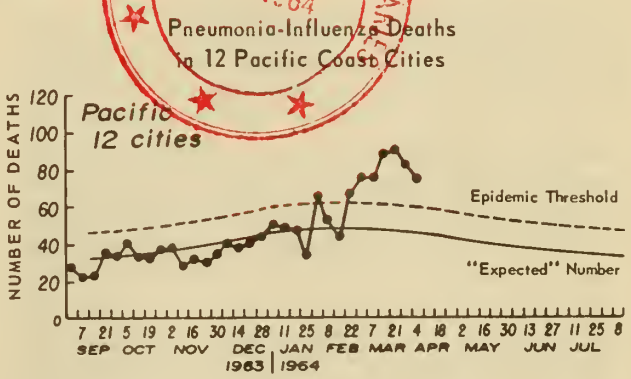

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Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

(Cumulative totals include revised and delayed reports through previous weeks)

Disease	14th Week Ended			Cumulative, First 14 Weeks		
	April 4, 1964	April 6, 1963	Median 1959 - 1963	1964	1963	Median 1959 - 1963
Aseptic meningitis	26	28	---	369	311	---
Brucellosis	10	10	13	100	87	148
Diphtheria	2	6	7	52	91	214
Encephalitis, primary infectious	42	---		444		---
Encephalitis, post-infectious	25	35	---	170	345	---
Hepatitis, infectious including serum hepatitis	848	892	938	12,959	14,697	14,697
Measles	17,596	15,907	17,190	140,318	160,703	166,302
Meningococcal infections	52	84	55	803	844	799
Poliomyelitis, Total	-	2	9	18	40	112
Paralytic	-	2	9	13	35	69
Nonparalytic	-	-	---	5	2	---
Unspecified	-	-	---	-	3	---
Streptococcal Sore Throat and Scarlet fever	11,776	9,790	---	151,091	139,570	---
Tetanus	6	3	---	51	46	---
Tularemia	3	3	---	73	54	---
Typhoid fever	8	14	13	89	93	128
Rabies in Animals	110	99	93	1,141	956	1,112

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax: Ohio - 1	2	Psittacosis: Ohio - 1	12
Botulism:	6	Rabies in Man:	-
Leptospirosis:	6	Smallpox:	-
Malaria: Pa. - 1, Wis. - 1	27	Typhus-	
Plague:	-	Murine:	2
		Rky Mt. Spotted: Va. - 1	4

EPIDEMIOLOGICAL REPORTS

ANTHRAX – Ohio

One case of anthrax, fatal, was reported by Ohio for the week ended April 4. This is the second case reported in the United States thus far in 1964. This case represents the first anthrax fatality in the United States since 1961, and the first cutaneous anthrax fatality since at least 1952.

The patient was a 36-year-old male who installed pipe insulation. On the evening of March 2, he noted for the first time a small, red, slightly raised, itchy, burn-like area on the left side of his neck. He considered the lesion the result of an embedded piece of glass-wool insulation, and disregarded its presence until the following evening when the lesion became larger and somewhat painful. On the morning of March 4 he consulted a physician who recorded a temperature of 99.2° and noted a "furuncle" surrounded by an erythematous, swollen area which extended onto the chest. The physician suspected fiberglass dermatitis with secondary infection. He attempted unsuccessfully to culture the lesion after incision with a scalpel. The doctor recommended local therapy and systemic penicillin; the patient refused treatment.

The patient returned to work, but a co-worker observed that he worked more slowly than usual. When the patient returned home, he went to sleep instead of eating dinner. Upon awakening, he complained of pain in his neck. He consulted another physician, who described the patient as acutely ill; his temperature was 102.2°F. The physician described a reddish, vesicular area, with surrounding induration. Doughy edema was noted, extending down onto the left side of his chest, to the level of the 5th or 6th intercostal space. No exudate or swollen lymph nodes were noted. Physical examination of the heart and lungs was normal. The patient reluctantly agreed to enter a hospital at 10:30 p.m., March 4. After several blood cultures were obtained, treatment was started with parenteral chloramphenicol. On the following morning, the lesion was more erythematous and edematous; a consultant considered a diagnosis of erysipelas and added intravenous penicillin to the regimen.

By that afternoon, the edema has spread to the right side of his chest and to his jaw. The basic lesion was 3 x 1.5 cm.; there was no discharge or eschar. At one edge a small vesicle developed, followed within the next 12 hours by several additional vesicles. The attending physicians had increasing difficulty maintaining his blood pressure during the next 15 hours despite the use of vasopressors, blood and steroids.

He convulsed and died on the morning of March 6, 4 days after clinical onset. At autopsy the only significant finding was the previously noted local lesion and edema. Pre-mortem blood cultures grew *Bacillus anthracis* after the patient's death.

Extensive epidemiological studies of possible home and occupational exposures to infected material indicated but a single suspect source, hair-felt material which he used to insulate pipes. Ordinarily, the company used hair-felt composed of 75 percent jute and 25 percent cattle hair; substitute material, however, had been employed recently which contained 50 percent imported raw goat hair, the remainder being cattle hair.

The particular roll of hair-felt the patient had used during the 7 days preceding his illness was located. *B. anthracis* was isolated from 9 of 15 samples obtained from both the original roll and from pipes he had covered during this period . Four samples of raw imported goat hair of the type used in the involved hair-felt were cultured; *B. anthracis* was isolated from 2. Five cultures of the usual hair-felt normally employed in the business were negative for *B. anthracis*.

Although cases of anthrax have been reported from other felt companies, this was the first known case among employees of this particular concern.

(Reported by Harold Decker, M.D., Chief, Communicable Disease Division, and Charles Croft, M.D., Chief, Division of Laboratories, Ohio State Dept. of Health; T. A. Cockburn, M.D., Asst. Commissioner, Cincinnati Board of Health, J. Edwin Reed, M.D., Commissioner, Hamilton County Health Department, Louis W. Gaker, M.D., Commissioner, Butler County Health Department, and the Communicable Disease Center.)

TYPHOID FEVER – Texas

An outbreak of 6 cases of typhoid fever due to *Salmonella typhi,* Phage Type E, was traced to well water apparently contaminated by a carrier.

The 6 patients were among 20 relatives who had attended a family gathering near Raywood, Texas, for a few hours July 4. Fifteen to 17 days later, 3 of the children, 2 of the women, and one of the men attending this gathering became ill with symptoms suggestive of typhoid fever. Two of the patients lived in Louisiana, 2 in Houston, Texas, and 2 in Raywood, Texas. The Houston cases were confirmed by blood and stool cultures, which demonstrated *S. typhi,* Phage Type E; the remaining 4 cases were clinically consistent with the diagnosis of typhoid fever.

Although no food had been consumed at the reunion, it was learned that the women and children had drunk water from a private well. Only one man consumed water, and he contracted typhoid fever.

The well was 16 ft. in depth, with a 1½ inch pipe imbedded in sand. The surrounding hole was much larger than the pipe, thus easily allowing surface drainage to enter.

Investigation of the suspected premises revealed human feces strewn in the yard from slop jars used during the night, and feces deposited behind trees and outbuildings. Although an outside toilet was available, it apparently was rarely used.

Of fecal specimens obtained from occupants of the house, *S. typhi,* Phage Type E, was isolated from an asymptomatic male member of the family. Cultures of the well water revealed *S. typhi* E.

Texas health officials concluded that the male host, an unsuspected typhoid carrier who had never been known to have had the disease, had probably served to contaminate the well water.

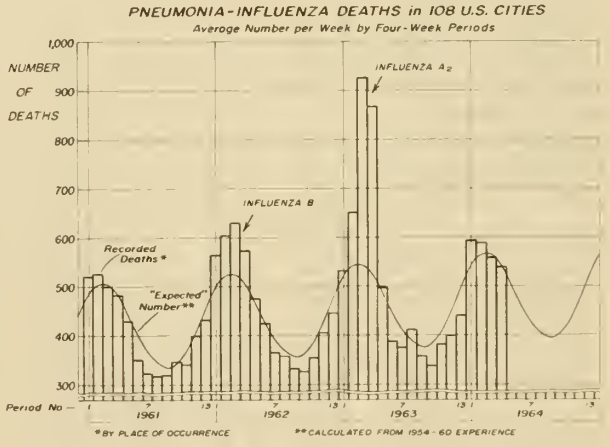
(Reported by J. E. Peavy, M.D., Commissioner of Health, and M. S. Dickerson, M.D., Epidemiologist, State of Texas Department of Health.)

SUMMARY OF PNEUMONIA AND INFLUENZA DEATHS

The weekly average number of pneumonia-influenza deaths for the four-week period ending April 4 was 538 as compared with an expected weekly average of 541.

PNEUMONIA-INFLUENZA DEATHS IN 108 CITIES

	Week Ending				4 Week	Weekly
	3/14	3/21	3/28	4/4	Total	Average
Observed	572	554	475	550	2,151	538
Expected	552	545	537	528	2,162	541
Excess	20	9	−62	22	−11	−3



(See Table, page 123)

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
APRIL 4, 1964 AND APRIL 6, 1963 (14th WEEK)

Area	Aseptic Meningitis		Encephalitis Primary	Encephalitis Post-Inf.	Poliomyelitis, Total Cases				Poliomyelitis, Paralytic			
							Cumulative				Cumulative	
	1964	1963	1964	1964	1964	1963	1964	1963	1964	1963	1964	1963
UNITED STATES...	26	28	42	25	-	2	18	40	-	2	13	35
NEW ENGLAND.....	-	-	1	1	-	-	-	-	-	-	-	-
Maine.....	-	-	-	-	-	-	-	-	-	-	-	-
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts.....	-	-	1	-	-	-	-	-	-	-	-	-
Rhode Island.....	-	-	-	-	-	-	-	-	-	-	-	-
Connecticut.....	-	-	-	1	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC.....	3	3	6	2	-	-	4	5	-	-	4	5
New York City.....	-	2	2	-	-	-	1	-	-	-	1	-
New York, Up-State.	1	-	-	2	-	-	2	4	-	-	2	4
New Jersey.....	-	-	1	-	-	-	1	-	-	-	1	-
Pennsylvania.....	2	1	3	-	-	-	-	1	-	-	-	1
EAST NORTH CENTRAL...	4	7	3	7	-	1	1	10	-	1	1	8
Ohio.....	-	5	-	2	-	1	-	3	-	1	-	2
Indiana.....	-	-	-	-	-	-	-	-	-	-	-	-
Illinois.....	-	-	2	5	-	-	1	5	-	-	1	4
Michigan.....	4	2	1	-	-	-	-	2	-	-	-	2
Wisconsin.....	-	-	-	-	-	-	-	-	-	-	-	-
WEST NORTH CENTRAL...	1	1	4	-	-	-	-	1	-	-	-	1
Minnesota.....	1	-	1	-	-	-	-	1	-	-	-	1
Iowa.....	-	1	-	-	-	-	-	-	-	-	-	-
Missouri.....	-	-	1	-	-	-	-	-	-	-	-	-
North Dakota.....	-	-	1	-	-	-	-	-	-	-	-	-
South Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
Nebraska.....	-	-	-	-	-	-	-	-	-	-	-	-
Kansas.....	-	-	1	-	-	-	-	-	-	-	-	-
SOUTH ATLANTIC.....	5	-	18	-	-	-	9	3	-	-	6	2
Delaware.....	-	-	-	-	-	-	-	-	-	-	-	-
Maryland.....	-	-	1	-	-	-	-	-	-	-	-	-
Dist. of Columbia..	-	-	-	-	-	-	-	-	-	-	-	-
Virginia.....	-	-	-	-	-	-	-	-	-	-	-	-
West Virginia.....	-	-	-	-	-	-	-	-	-	-	-	-
North Carolina.....	-	-	1	-	-	-	4	2	-	-	1	2
South Carolina.....	-	-	-	-	-	-	1	-	-	-	1	-
Georgia.....	-	-	1	-	-	-	1	1	-	-	1	-
Florida.....	5	-	15	-	-	-	3	-	-	-	3	-
EAST SOUTH CENTRAL...	3	5	1	-	-	-	1	2	-	-	-	1
Kentucky.....	2	-	-	-	-	-	-	-	-	-	-	-
Tennessee.....	-	-	1	-	-	-	1	-	-	-	-	-
Alabama.....	1	-	-	-	-	-	-	2	-	-	-	1
Mississippi.....	-	5	-	-	-	-	-	-	-	-	-	-
WEST SOUTH CENTRAL...	-	1	3	-	-	-	1	9	-	-	-	9
Arkansas.....	-	-	-	-	-	-	-	-	-	-	-	-
Louisiana.....	-	-	1	-	-	-	-	8	-	-	-	8
Oklahoma.....	-	-	-	-	-	-	-	-	-	-	-	-
Texas.....	-	1	2	-	-	-	1	1	-	-	-	1
MOUNTAIN.....	3	-	-	-	-	-	1	1	-	-	1	1
Montana.....	-	-	-	-	-	-	-	-	-	-	-	-
Idaho.....	-	-	-	-	-	-	-	1	-	-	-	1
Wyoming.....	-	-	-	-	-	-	-	-	-	-	-	-
Colorado.....	2	-	-	-	-	-	1	-	-	-	1	-
New Mexico.....	-	-	-	-	-	-	-	-	-	-	-	-
Arizona.....	1	-	-	-	-	-	-	-	-	-	-	-
Utah.....	-	-	-	-	-	-	-	-	-	-	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	7	11	6	15	-	1	1	9	-	1	1	8
Washington.....	1	-	1	-	-	-	-	1	-	-	-	1
Oregon.....	-	-	-	-	-	-	-	1	-	-	-	1
California.....	6	10	5	15	-	1	1	7	-	1	1	6
Alaska.....	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii.....	-	1	-	-	-	-	-	-	-	-	-	-
Puerto Rico	-	-	-	-	-	-	-	2	-	-	-	2

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

APRIL 4, 1964 AND APRIL 6, 1963 (14th WEEK) - Continued

Area	Brucellosis		Diphtheria		Infectious Hepatitis including Serum Hepatitis						Typhoid Fever	
		Cum.		Cum.	Total	Under 20 years	20 years and over	Age Unknown	Cumulative			Cum.
	1964	1964	1964	1964	1964	1964	1964	1964	1964	1963	1964	1964
UNITED STATES...	10	100	2	52	848	422	355	71	12,959	14,697	8	89
NEW ENGLAND.....	1	1	2	3	66	29	32	5	1,447	1,812	1	7
Maine.....	-	-	1	1	18	9	6	3	511	842	-	-
New Hampshire.....	-	-	-	-	3	2	1	-	121	119	-	-
Vermont.....	-	-	-	-	5	3	1	1	176	26	-	-
Massachusetts.....	1	1	1	2	21	13	7	1	284	541	1	4
Rhode Island.....	-	-	-	-	3	-	3	-	63	44	-	3
Connecticut.....	-	-	-	-	16	2	14	-	292	240	-	-
MIDDLE ATLANTIC.....	-	2	-	4	185	75	110	-	2,896	2,883	5	16
New York City.....	-	-	-	1	13	3	10	-	395	332	3	5
New York, Up-State.	-	1	-	-	83	43	40	-	1,315	1,319	-	3
New Jersey.....	-	-	-	2	48	10	38	-	518	451	-	-
Pennsylvania.....	-	1	-	1	41	19	22	-	668	781	2	8
EAST NORTH CENTRAL...	1	14	-	6	133	69	51	13	1,927	2,306	1	19
Ohio.....	-	-	-	-	37	16	16	5	519	693	-	14
Indiana.....	-	1	-	-	11	9	2	-	154	204	-	2
Illinois.....	-	10	-	6	21	8	13	-	302	481	1	3
Michigan.....	1	1	-	-	45	28	17	-	838	800	-	-
Wisconsin.....	-	2	-	-	19	8	3	8	114	128	-	-
WEST NORTH CENTRAL...	4	53	-	8	38	22	6	10	776	634	-	9
Minnesota.....	-	2	-	1	4	-	2	2	56	110	-	-
Iowa.....	1	26	-	-	5	1	3	1	113	108	-	3
Missouri.....	-	4	-	-	8	6	1	1	194	263	-	2
North Dakota.....	-	1	-	-	3	3	-	-	35	14	-	-
South Dakota.....	1	9	-	-	-	-	-	-	81	15	-	1
Nebraska.....	2	10	-	-	-	-	-	-	18	52	-	-
Kansas.....	-	1	-	7	18	12	-	6	279	72	-	3
SOUTH ATLANTIC.....	-	6	-	11	95	53	39	3	1,271	1,584	-	18
Delaware.....	-	-	-	-	5	2	3	-	29	24	-	-
Maryland.....	-	-	-	-	20	16	4	-	240	173	-	-
Dist. of Columbia..	-	-	-	-	1	-	1	-	26	57	-	-
Virginia.....	-	2	-	-	15	6	7	2	188	355	-	4
West Virginia.....	-	-	-	-	14	10	4	-	227	236	-	-
North Carolina.....	-	1	-	-	21	11	10	-	233	426	-	9
South Carolina.....	-	-	-	3	3	2	1	-	40	69	-	1
Georgia.....	-	2	-	6	3	1	2	-	29	53	-	-
Florida.....	-	1	-	2	13	5	7	1	259	191	-	4
EAST SOUTH CENTRAL...	1	4	-	4	86	54	27	5	908	1,511	-	10
Kentucky.....	-	-	-	-	38	27	7	4	402	462	-	5
Tennessee.....	-	-	-	1	27	18	8	1	309	577	-	4
Alabama.....	1	3	-	2	12	4	8	-	125	235	-	1
Mississippi.....	-	1	-	1	9	5	4	-	72	237	-	-
WEST SOUTH CENTRAL...	-	4	-	10	56	32	22	2	918	980	1	6
Arkansas.....	-	1	-	-	3	3	-	-	109	119	1	3
Louisiana.....	-	1	-	2	18	13	3	2	182	169	-	-
Oklahoma.....	-	1	-	-	5	3	2	-	56	56	-	3
Texas.....	-	1	-	8	30	13	17	-	571	636	-	-
MOUNTAIN.....	3	10	-	1	55	23	3	29	865	1,049	-	-
Montana.....	-	-	-	-	4	2	1	1	77	164	-	-
Idaho.....	-	-	-	-	4	-	-	4	66	160	-	-
Wyoming.....	-	-	-	-	-	-	-	-	32	14	-	-
Colorado.....	-	-	-	-	20	14	2	4	256	227	-	-
New Mexico.....	-	1	-	1	6	4	-	2	141	126	-	-
Arizona.....	-	1	-	-	16	-	-	16	189	230	-	-
Utah.....	2	7	-	-	3	3	-	-	78	119	-	-
Nevada.....	1	1	-	-	2	-	-	2	26	9	-	-
PACIFIC.....	-	6	-	5	134	65	65	4	1,951	1,938	-	4
Washington.....	-	-	-	5	14	5	7	2	202	315	-	-
Oregon.....	-	1	-	-	13	2	10	1	202	291	-	-
California.....	-	5	-	-	102	56	46	-	1,441	1,281	-	4
Alaska.....	-	-	-	-	4	2	1	1	61	42	-	-
Hawaii.....	-	-	-	-	1	-	1	-	45	9	-	-
Puerto Rico	-	-	-	3	25	17	8	-	169	182	-	5

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES, UNITED STATES FOR WEEKS ENDED APRIL 4, 1964 AND APRIL 6, 1963 (14th WEEK) - Continued

Area	Measles	Meningococcal Meningitis			Streptococcal Sore Throat and Scarlet Fever		Tetanus		Tularemia		Rabies in Animals	
			Cumulative					Cum.		Cum.		Cum.
	1964	1964	1964	1963	1964	1963	1964	1964	1964	1964	1964	1964
UNITED STATES...	17,596	52	803	844	11,776	9,790	6	51	3	73	110	1,141
NEW ENGLAND.....	537	1	26	57	1,281	1,061	-	-	-	-	1	3
Maine.....	80	-	2	10	90	86	-	-	-	-	1	1
New Hampshire.....	15	-	-	2	9	8	-	-	-	-	-	1
Vermont.....	126	1	1	2	19	4	-	-	-	-	-	1
Massachusetts.....	107	-	13	23	171	181	-	-	-	-	-	-
Rhode Island.....	55	-	2	6	188	68	-	-	-	-	-	-
Connecticut.....	154	-	8	14	804	714	-	-	-	-	-	-
MIDDLE ATLANTIC.....	2,212	4	76	109	602	749	-	1	-	-	2	22
New York City.....	807	2	12	13	40	57	-	-	-	-	-	-
New York, Up-State.	504	1	29	37	345	488	-	-	-	-	2	21
New Jersey.....	407	-	14	18	65	131	-	-	-	-	-	-
Pennsylvania.....	494	1	21	41	152	73	-	1	-	-	-	1
EAST NORTH CENTRAL...	5,014	12	136	143	2,062	1,419	-	5	1	8	18	115
Ohio.....	855	2	42	42	389	283	-	1	-	1	11	59
Indiana.....	1,313	5	24	17	236	194	-	1	-	-	-	7
Illinois.....	684	1	28	24	232	205	-	2	1	5	4	19
Michigan.....	1,365	-	31	41	846	372	-	1	-	1	1	12
Wisconsin.....	797	4	11	19	359	365	-	-	-	1	2	18
WEST NORTH CENTRAL...	883	3	40	48	401	292	-	2	-	21	32	358
Minnesota.....	9	-	8	10	26	22	-	-	-	1	9	104
Iowa.....	615	-	2	2	152	46	-	-	-	1	14	126
Missouri.....	29	1	18	21	48	11	-	2	-	13	5	71
North Dakota.....	197	-	3	1	157	123	-	-	-	-	1	17
South Dakota.....	-	-	-	3	2	14	-	-	-	-	3	27
Nebraska.....	33	2	4	10	6	1	-	-	-	-	-	8
Kansas.....	NN	-	5	1	10	75	-	-	-	6	-	5
SOUTH ATLANTIC.....	2,235	11	180	178	1,062	1,010	3	20	1	13	10	190
Delaware.....	10	-	2	1	10	11	-	-	-	-	-	-
Maryland.....	177	1	14	26	142	66	-	1	-	-	-	-
Dist. of Columbia..	17	-	5	3	10	3	-	-	-	-	-	-
Virginia.....	702	2	16	46	277	249	-	1	-	3	7	137
West Virginia.....	379	1	14	9	205	183	-	-	-	-	1	8
North Carolina.....	92	1	31	27	25	30	-	7	-	3	-	2
South Carolina.....	254	4	23	11	165	24	1	3	-	-	-	-
Georgia.....	7	-	15	10	5	-	1	1	1	7	1	19
Florida.....	597	2	60	45	223	444	1	7	-	-	1	24
EAST SOUTH CENTRAL...	2,977	6	76	71	2,041	1,346	1	7	-	16	20	183
Kentucky.....	1,585	1	19	17	310	126	-	-	-	1	2	25
Tennessee.....	1,147	2	30	31	1,635	1,071	-	3	-	11	16	152
Alabama.....	77	3	16	11	21	47	-	3	-	3	2	6
Mississippi.....	168	-	11	12	75	102	1	1	-	1	-	-
WEST SOUTH CENTRAL...	247	7	69	99	1,162	845	1	8	1	11	22	185
Arkansas.....	99	2	6	5	12	-	1	2	-	1	3	43
Louisiana.....	7	5	60	45	32	3	-	3	-	-	1	20
Oklahoma.....	141	-	3	17	58	-	-	-	1	10	6	20
Texas.....	-	-	-	32	1,060	842	-	3	-	-	12	102
MOUNTAIN.....	963	-	34	27	1,768	1,457	-	2	-	4	1	45
Montana.....	132	-	-	1	62	63	-	-	-	1	-	-
Idaho.....	97	-	1	-	58	150	-	-	-	-	-	-
Wyoming.....	24	-	1	1	12	72	-	1	-	1	-	-
Colorado.....	252	-	7	6	985	444	-	-	-	-	-	-
New Mexico.....	9	-	16	2	307	324	-	1	-	-	1	24
Arizona.....	407	-	2	5	210	293	-	-	-	-	-	21
Utah.....	37	-	1	10	134	111	-	-	-	2	-	-
Nevada.....	5	-	6	2	-	-	-	-	-	-	-	-
PACIFIC.....	2,528	8	166	112	1,397	1,611	1	6	-	-	4	40
Washington.....	1,067	1	15	11	547	507	-	-	-	-	-	-
Oregon.....	324	2	9	5	38	25	-	-	-	-	-	-
California.....	1,111	5	133	91	731	754	1	6	-	-	4	40
Alaska.....	3	-	5	4	17	45	-	-	-	-	-	-
Hawaii.....	23	-	4	1	64	280	-	-	-	-	-	-
Puerto Rico	321	-	8	-	9	6	3	19	-	-	2	5

Table 4 (B). REPORTED PNEUMONIA-INFLUENZA DEATHS IN REPORTING CITIES

(Tables 4(A), 4(B), 4(C), and 4(D) will be published in sequence covering a four-week period.)°

Area	For weeks ending			
	3/14	3/21	3/28	4/4
NEW ENGLAND:				
Boston, Mass.	6	10	6	13
Bridgeport, Conn.	3	3	6	4*
Cambridge, Mass.	1	2	2	-
Fall River, Mass.	2	1	-	2
Hartford, Conn.	-	2	1	-
Lowell, Mass.	1	2	2	-
Lynn, Mass.	-	-	-	-
New Bedford, Mass.	-	-	-	1
New Haven, Conn.	1	-	2	2
Providence, R.I.	-	-	4	3
Somerville, Mass.	-	-	-	-
Springfield, Mass.	5	8	4	6
Waterbury, Conn.	-	-	-	-
Worcester, Mass.	11	6	7	6
MIDDLE ATLANTIC:				
Albany, N.Y.	-	-	2	1
Allentown, Pa.	1	2	1	2
Buffalo, N.Y.	11	7	3	7
Camden, N.J.	-	4	4	4
Elizabeth, N.J.	1	-	1	1
Erie, Pa.	2	5	3	4
Jersey City, N.J.	4	6	3	5
Newark, N.J.	3	5	6	7
New York City, N.Y.	67	69	54	73
Paterson, N.J.	5	3	1	9
Philadelphia, Pa.	20	14	7	17
Pittsburgh, Pa.	2	3	6	8
Reading, Pa.	3	3	2	5
Rochester, N.Y.	14	13	14	8
Schenectady, N.Y.	1	4	3	3
Scranton, Pa.	1	1	2	2
Syracuse, N.Y.	4	1	1	2
Trenton, N.J.	5	7	3	4
Utica, N.Y.	2	1	1	1
Yonkers, N.Y.	1	-	3	4
EAST NORTH CENTRAL:				
Akron, Ohio.	-	-	1	-
Canton, Ohio.	1	6	2	3
Chicago, Ill.	34	38	30	45
Cincinnati, Ohio.	6	3	5	3
Cleveland, Ohio.	3	2	6	2
Columbus, Ohio.	2	3	2	1
Dayton, Ohio.	2	3	-	3
Detroit, Mich.	18	13	15	23
Evansville, Ind.	1	1	3	3
Flint, Mich.	5	5	4	3
Fort Wayne, Ind.	3	1	1	2
Gary, Ind.	1	2	1	3*
Grand Rapids, Mich.	5	2	3	2
Indianapolis, Ind.	6	3	3	4
Madison, Wis.	-	-	-	-
Milwaukee, Wis.	6	3	1	4
Peoria, Ill.	-	1	2	-
Rockford, Ill.	2	4	1	3
South Bend, Ind.	3	3	-	2
Toledo, Ohio.	9	8	3	2
Youngstown, Ohio.	1	-	-	2
WEST NORTH CENTRAL:				
Des Moines, Iowa.	5	6	1	2
Duluth, Minn.	-	1	1	-
Kansas City, Kans.	2	5	1	3*
Kansas City, Mo.	2	6	4	3
Lincoln, Nebr.	1	1	1	2
Minneapolis, Minn.	2	4	8	3
Omaha, Nebr.	4	4	3	2
St. Louis, Mo.	10	15	13	6
St. Paul, Minn.	1	2	4	4
Wichita, Kans.	2	8	3	4
SOUTH ATLANTIC:				
Atlanta, Ga.	8	2	5	8
Baltimore, Md.	7	4	3	3
Charlotte, N.C.	2	1	-	1
Jacksonville, Fla.	2	4	1	1
Miami, Fla.	1	1	1	1
Norfolk, Va.	3	4	2	2
Richmond, Va.	5	4	1	7
Savannah, Ga.	4	6	2	1
St. Petersburg, Fla.	5	5	8	3
Tampa, Fla.	7	10	5	4
Washington, D.C.	13	9	7	7
Wilmington, Del.	3	4	3	6
EAST SOUTH CENTRAL:				
Birmingham, Ala.	3	2	1	1
Chattanooga, Tenn.	6	4	6	2
Knoxville, Tenn.	-	1	-	1
Louisville, Ky.	11	11	8	13
Memphis, Tenn.	8	2	5	6
Mobile, Ala.	3	-	2	1
Montgomery, Ala.	3	5	1	1
Nashville, Tenn.	8	7	8	7
WEST SOUTH CENTRAL:				
Austin, Tex.	6	6	5	6
Baton Rouge, La.	4	2	1	1
Corpus Christi, Tex.	2	-	-	1
Dallas, Tex.	4	11	9	5
El Paso, Tex.	2	-	3	6
Fort Worth, Tex.	1	2	2	3
Houston, Tex.	6	3	6	9
Little Rock, Ark.	4	1	5	2
New Orleans, La.	10	6	3	5
Oklahoma City, Okla.	5	3	1	4
San Antonio, Tex.	8	5	2	5
Shreveport, La.	8	4	4	6
Tulsa, Okla.	4	2	5	3
MOUNTAIN:				
Albuquerque, N. Mex.	3	3	2	1
Colorado Springs, Colo.	2	1	3	2
Denver, Colo.	6	6	7	7
Ogden, Utah.	1	1	2	-
Phoenix, Ariz.	7	10	4	7
Pueblo, Colo.	2	-	-	-
Salt Lake City, Utah.	1	3	-	2
Tucson, Ariz.	2	2	1	2
PACIFIC:				
Berkeley, Calif.	1	-	2	-
Fresno, Calif.	1	1	1	3
Glendale, Calif.	1	1	1	-
Honolulu, Hawaii.	2	-	-	-
Long Beach, Calif.	7	6	-	6
Los Angeles, Calif.	37	34	40	28
Oakland, Calif.	4	9	9	7
Pasadena, Calif.	1	1	-	1*
Portland, Oreg.	9	2	1	1
Sacramento, Calif.	3	5	3	2
San Diego, Calif.	8	8	7	6
San Francisco, Calif.	6	14	13	12
San Jose, Calif.	3	4	9	7*
Seattle, Wash.	9	6	6	7
Spokane, Wash.	-	1	2	4
Tacoma, Wash.	3	4	1	2
San Juan, P.R.	1	-	-	(---)

*Estimate - based on average percent of divisional total.
Totals for previous weeks include reported corrections.

NOTE: All deaths by place of occurrence.

°Current Week Mortality for 108 Selected Cities

4(A) Total Mortality, all ages	12,305
4(B) Pneumonia-Influenza Deaths, all ages	550
4(C) Total Deaths under 1 Year of Age	739
4(D) Total Deaths, Persons 65 years and over	6,971

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INTERNATIONAL NOTES – QUARANTINE MEASURES

YELLOW FEVER – Ethiopia

Ethiopia officially declared itself free of yellow fever, March 10. This is the first time Ethiopia has declared itself free of this disease since the International Sanitary Regulations were adopted by the Fourth World Health Assembly in 1951.

(Reported by Division of Foreign Quarantine, U.S. Public Health Service, Washington, D. C.).

Immunization Information for International Travel
1963-64 Edition
Public Health Service Publication No. 384

The following information should be added to the list of Yellow Fever Vaccination Centers in Section 6:

PAGE 73

CITY: Traverse City, Michigan

CENTER: Thirlby Clinic
116 Cass Street
Tel: 946-8850

CLINIC HOURS: By appointment only

FEE: Yes

ERRATUM

The case of chloroquine resistant *Plasmodium falciparum* malaria reported in MMWR, Vol. 13, page 70, on the basis of available evidence, should not be considered resistant. Gametocytes may persist for as long as one month after completion of chloroquine therapy. Definitive proof that a strain of malaria is resistant requires the demonstration that asexual parasites persist despite the completion of several courses of therapy with the particular drug in question. Further studies of the causative strain in this case would this be required.

(Based on personal communication from Geoffrey Jeffery, Sc.D., Assistant Chief, Laboratory of Parasite Chemotherapy, NIAID, NIH, Dr. Francois Dresse, WHO-PAHO, San Salvador, El Salvador, and Howard B. Shookhoff, M.D., Chief, Division of Tropical Diseases, New York City Department of Health.)

The Morbidity and Mortality Weekly Report, with a circulation of 10,800 is published by the Communicable Diseose Center, Atlanta, Georgio.

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